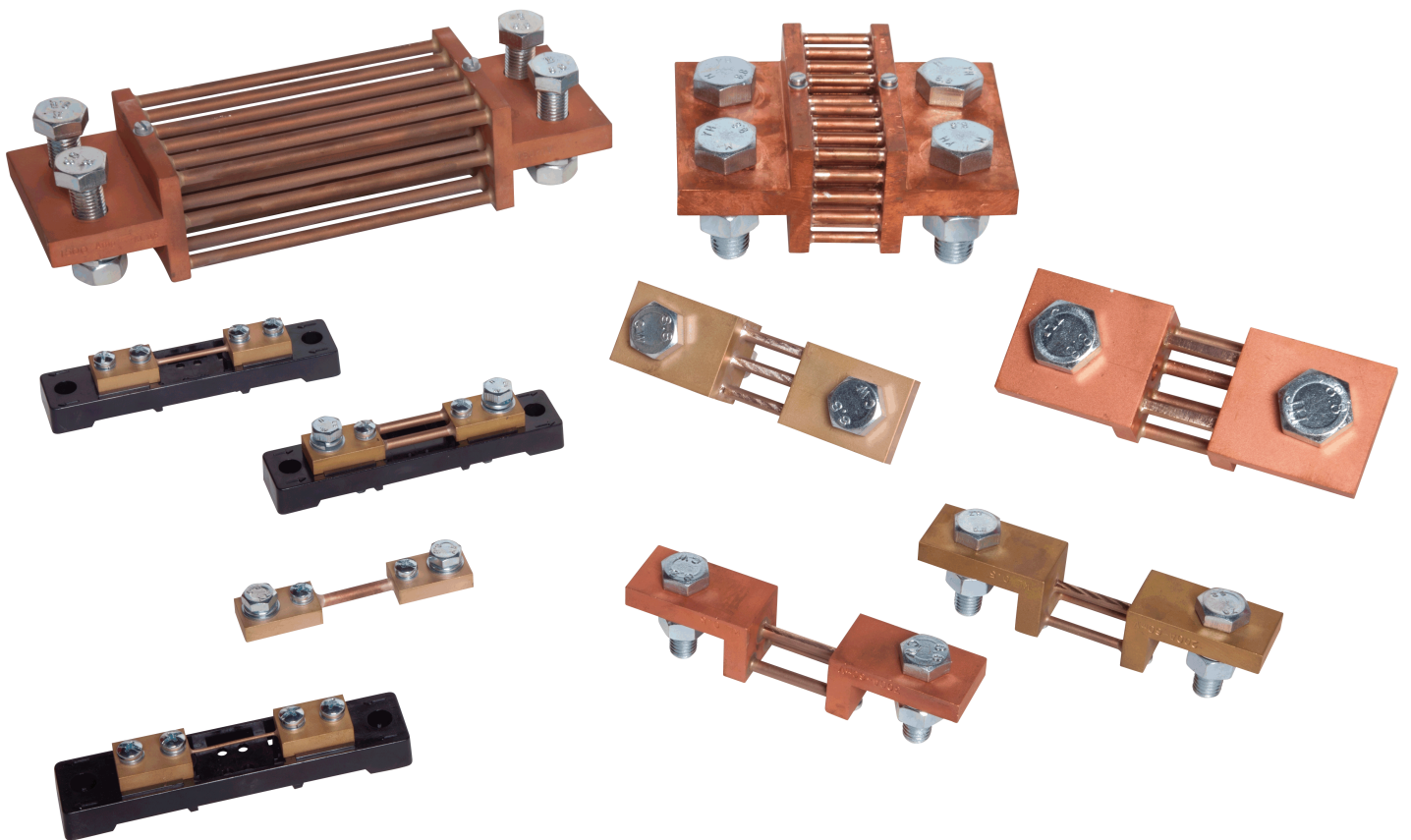




SHUNTS

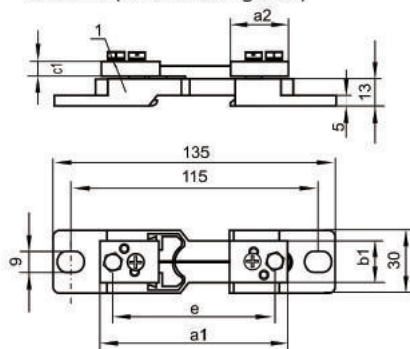
- Accuracy class 0.5 / Special executions class 0.2 on request
- Shunts of 1...25 A ranges (and on request, 60mV 40...150 A) are fixed on an isolating base.
- The isolating base is adapted to be assembled on a 35 mm DIN rail.

Technical Data

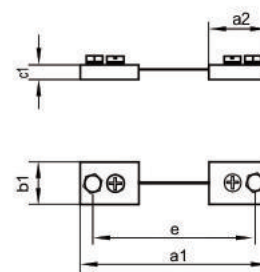
Electromagnetic compatibility	noise immunity noise emissions	acc. to EN 61000-6-2 acc. to EN 61000-6-4
Overload range	continuously 1.2 times rated current 5 s max. $\leq 2,000$ A 5 times rated current > 2,000...10,000 A 5 times rated current	acc. to EN 60051-8:2000
Accuracy class	0.5	Special executions class 0.2 on request
Additional error from ambient temperature	0.5 % / 10 °C	
Climatic suitability	climatic class 3	acc. to VDE/VDI 3540
Operating temperature	- 10 ... + 55°C	
Storage temperature	- 25 ... + 65°C	
Relative humidity	$\leq 75\%$ annual average, non-condensing	
Shunt calibration	of 1 .. 10 A range Shunts 150 mV of 1 .. 4 A ranges	considering the 10 mA current of the meter measuring element considering the 5 mA current of the meter measuring element
Shunts dimensions	acc. to DIN 43 703 standard	
Testing voltage of shunts with an isolating base	5 kV	
Resistance of a pair of wires connecting the shunt to meter	35m Ω or 75 Ω , wires are not delivered with the shunt	
Long-term overload	120%·I _n	
Short duration overload up to 5 seconds	for range up to 2kA - 5·I _n for range 2kA <I _n <10kA - 2·I _n	

Dimensions / Version:

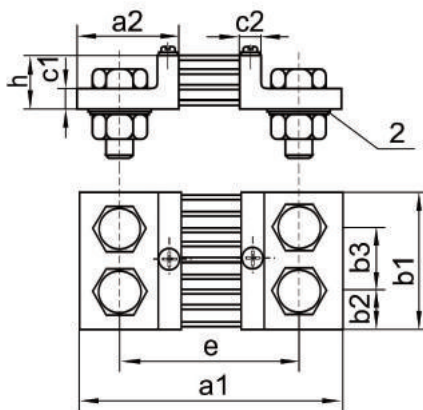
Version A (on an isolating base)



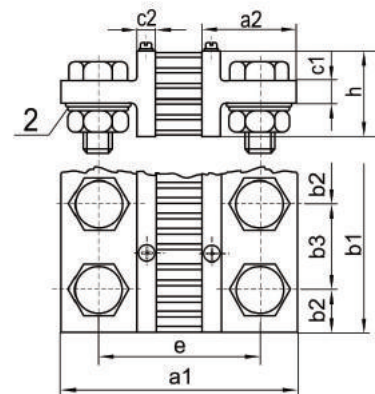
Version D



Version B



Version C



SHUNTS

Shunts 60 mV												Current terminals			
IN (A)	Version	a1	a2	b1	b2	b3	c1	c2	e	h	Weight (kg)	LZ	Bolt	P	N
1; 1,5; 2,5; 4; 6; 10; 15; 25	A, D	90	28	20	-	-	8	-	78	-	0.13	2 x 1	M5 x 12	5.5	-
40, 60, 100,150	B	100	33	20	-	-	8	-	80	-	0.13	2 x 1	M8 x 16	8.5	-
250	B	145	55	30	15	-	10	10	105	30	0.60	2 x 1	M12 x 40	13	M12
400	B	145	55	40	20	-	10	10	105	30	0.85	2 x 1	M16 x 45	17	M16
600	B	145	55	40	20	-	10	10	105	30	0.85	2 x 1	M16 x 45	17	M16
1000	B	165	65	60	30	-	10	10	115	30	1.45	2 x 1	M20 x 50	21	M20
1500	B	165	65	90	21	48	10	10	115	30	2.00	2 x 2	M16 x 45	17	M16
2500	B	165	65	120	30	60	10	10	115	30	2.90	2 x 2	M20 x 50	21	M20
4000	C	165	65	120	30	60	15	10	115	60	4.30	2 x 2	M20 x 60	21	M20
6000	C	175	70	154	25	52	25	15	125	130	10.50	2 x 3	M20 x 75	21	M20
10000	C	185	75	206	25	52	30	20	135	170	21.00	2 x 4	M20 x 80	21	M20
15000	C	185	75	310	25	52	30	20	135	170	32.00	2 x 6	M20 x 80	21	M20

Shunts 150 mV												Current terminals			
IN (A)	Version	a1	a2	b1	b2	b3	c1	c2	e	h	Weight (kg)	LZ	Bolt	P	N
1; 1,5; 2,5; 4; 6; 10; 15; 25	A	90	28	20	-	-	8	-	78	-	0.14	2 x 1	M5 x 12	5.5	-
40, 60, 100,150	D	225	33	25	-	-	8	-	205	-	0.23	2 x 1	M8 x 16	8.5	-
250	B	270	55	30	15	-	10	50	230	50	0.68	2 x 1	M12 x 40	13	M12
400	B	270	55	40	20	-	10	50	230	50	1.05	2 x 1	M16 x 45	17	M16
600	B	270	55	40	20	-	10	50	230	50	1.16	2 x 1	M16 x 45	17	M16
1000	B	290	65	70	35	-	10	50	240	50	2.15	2 x 1	M20 x 50	21	M20
1500	C	290	65	90	21	48	10	60	240	60	3.10	2 x 2	M16 x 45	17	M16
2500	C	290	65	120	30	60	10	60	240	60	5.20	2 x 2	M20 x 50	21	M20
4000	C	300	70	120	30	60	15	130	250	130	8.30	2 x 2	M20 x 60	21	M20
6000	C	300	70	154	25	52	15	130	250	130	15.00	2 x 3	M20 x 75	21	M20
10000	C	310	75	206	25	52	20	170	260	170	28.00	2 x 4	M20 x 80	21	M20
15000	C	310	75	310	25	52	20	170	260	170	35.00	2 x 6	M20 x 80	21	M20

Shunts 50 mV												Current terminals			
IN (A)	Version	a1	a2	b1	b2	b3	c1	c2	e	h	Weight (kg)	LZ	Bolt	P	N
1; 1,5; 2,5; 4; 6; 10; 15; 25	A	90	28	20	-	-	8	-	78	-	0.13	2 x 1	M5 x 12	5.5	-
40, 60, 100,150	D	93	33	20	-	-	8	-	73	-	0.13	2 x 1	M8 x 16	8.5	-
250	B	138	55	30	15	-	10	10	98	30	0.60	2 x 1	M12 x 40	13	M12
400	B	138	55	40	20	-	10	10	98	30	0.85	2 x 1	M16 x 45	17	M16
600	B	138	55	40	20	-	10	10	98	30	0.85	2 x 1	M16 x 45	17	M16
1000	B	158	65	60	30	-	10	10	108	30	1.45	2 x 1	M20 x 50	21	M20
1500	B	158	65	90	21	48	10	10	108	30	2.00	2 x 2	M16 x 45	17	M16
2500	B	158	65	120	30	60	10	10	108	30	2.90	2 x 2	M20 x 50	21	M20
4000	C	158	65	120	30	60	15	10	108	60	4.30	2 x 2	M20 x 60	21	M20
6000	C	168	70	154	25	52	25	15	118	130	10.50	2 x 3	M20 x 75	21	M20
10000	C	178	75	206	25	52	30	20	128	170	21.00	2 x 4	M20 x 80	21	M20
15000	C	178	75	310	25	52	30	20	128	170	32.00	2 x 6	M20 x 80	21	M20

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Shunts 75 mV												Current terminals			
IN (A)	Version	a1	a2	b1	b2	b3	c1	c2	e	h	Weight (kg)	LZ	Bolt	P	N
1; 1,5; 2,5; 4; 6; 10; 15; 25	A	90	28	20	-	-	8	-	78	-	0.14	2 x 1	M5 x 12	5.5	-
30, 40, 50, 60, 75, 80, 100, 125, 150, 160	D	115	33	25	-	-	8	-	95	-	0.17	2 x 1	M8 x 16	8.5	-
200, 250, 300	B	160	55	30	15	-	10	10	120	30	0.63	2 x 1	M12 x 40	13	M12
300, 400, 500	B	160	55	40	20	-	10	10	120	30	0.92	2 x 1	M16 x 45	17	M16
500, 600	B	160	55	40	20	-	10	10	120	30	1.00	2 x 1	M16 x 45	17	M16
750, 800, 1000, 1200	B	180	65	60	30	-	10	10	130	30	1.75	2 x 1	M20 x 50	21	M20
1200, 1500, 2000	B	180	65	120	30	60	10	10	130	30	2.30	2 x 2	M16 x 45	17	M16
2000, 2500, 3000	C	180	65	120	30	60	15	10	130	60	3.10	2 x 2	M20 x 60	21	M20
3000, 4000, 5000	C	190	70	120	30	60	25	15	140	130	5.20	2 x 2	M20 x 75	21	M20
5000, 6000, 8000	C	190	70	154	25	52	25	15	140	130	11.20	2 x 3	M20 x 75	21	M20
8000, 10000	C	200	75	206	25	52	30	20	150	170	22.00	2 x 4	M20 x 80	21	M20
15000	C	200	75	310	25	52	30	20	150	170	33.00	2 x 6	M20 x 80	21	M20

Shunts 100 mV												Current terminals			
IN (A)	Version	a1	a2	b1	b2	b3	c1	c2	e	h	Weight (kg)	LZ	Bolt	P	N
1; 1,5; 2,5; 4; 6; 10; 15; 25	A	90	28	20	-	-	8	-	78	-	0.14	2 x 1	M5 x 12	5.5	-
30, 40, 50, 60, 75, 80, 100, 125, 150, 160	D	145	33	25	-	-	8	-	125	-	0.20	2 x 1	M8 x 16	8.5	-
200, 250, 300	B	190	55	30	15	-	10	10	150	30	0.65	2 x 1	M12 x 40	13	M12
300, 400, 500	B	190	55	40	20	-	10	10	150	30	1.00	2 x 1	M16 x 45	17	M16
500, 600	B	190	55	40	20	-	10	10	150	30	1.11	2 x 1	M16 x 45	17	M16
750, 800, 1000, 1200	B	210	65	60	30	-	10	10	160	30	2.00	2 x 1	M20 x 50	21	M20
1200, 1500, 2000	B	210	65	120	30	60	10	10	160	30	2.50	2 x 2	M16 x 45	17	M16
2000, 2500, 3000	C	210	65	120	30	60	15	10	160	60	3.20	2 x 2	M20 x 60	21	M20
3000, 4000, 5000	C	220	70	120	30	60	25	15	170	130	5.80	2 x 2	M20 x 75	21	M20
5000, 6000, 8000	C	220	70	154	25	52	25	15	170	130	12.00	2 x 3	M20 x 75	21	M20
8000, 10000	C	230	75	206	25	52	30	20	180	170	23.00	2 x 4	M20 x 80	21	M20
15000	C	230	75	310	25	52	30	20	180	170	34.00	2 x 6	M20 x 80	21	M20

IN - rated current / LZ - number of terminals / Bolt - hexagon bolt / P - washer / N - nut Voltage terminals



Celsa Messgerate España S.L.
Els Francs 7
46116 Masias-Moncada
(Polígono Industrial Moncada II)
Valencia- España
Telephone: +34 961 309 378
Web: www.celsamessgerate-spain.com
Email: info@celsaspain.com

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